

Abstract:

Recording material having a negative-working, radiation-sensitive layer which comprises additives for promoting developability

The invention relates to a recording material having a dimensionally stable, two-dimensional support, preferably an aluminium support, and a negative-working, radiation-sensitive layer which comprises a diazonium salt, a polymeric binder and a sulphobetaine. In addition, the layer may also comprise a polymerizable monomer or oligomer and a photopolymerization initiator. The front of the recording material may be matted or pigmented, and the back may be coated with an organic polymeric material. The sulphobetaine improves the solubility of the diazonium salts in aqueous-alkaline developers without reducing the resistance of the offset printing plates produced from the recording material.

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